APPLIED MATHEMATICS AND COMPUTATION

VOLUME 86

JOHN P. BOYD
Construction of Lighthill's Unitary Functions: The Imbricate Series of Unity 1

J. I. RAMOS AND C. M. GARCÍA-LÓPEZ
Nonstandard Finite Difference Equations for ODEs and 1-D PDEs Based on Piecewise Linearization 11

ZHONG-ZHI BAI
Parallel Hybrid Iteration Methods for Block Bordered Linear Systems 37

CHA'O-KUANG CHEN AND TZU-LI TIEN
A New Forecasting Method of Discrete Dynamic System 61

M. A. M. ALWASH
Limit Cycles in a Disease Transmission Model 85

SIMON MOSKOWITZ, EMMANUEL FERNÁNDEZ-GAUCHERAND, AND MICHAEL WHALEN
Passage-Detector-Based Traffic Queue Estimation in Intelligent Transportation Systems: A Computational Study of Competing Algorithms 93

MO JIAQI
The Nonlocal Boundary Value Problems of Nonlinear Elliptic Systems in Unbounded Domains 115

S. BLOUNT, A. GALAMBOSI, AND S. YAKOWITZ
Nonlinear and Dynamic Programming for Epidemic Intervention 123

R. LIN, G. LENG, AND H. P. LEE
A Method for the Numerical Computation of Hopf Bifurcation 137

LINZHANG LU AND C. E. M. PEARCE
On the Matrix-Sign-Function Method for Solving Algebraic Riccati Equations 157

(Continued)

YONG-LIN CHEN
Iterative Methods for Solving Restricted Linear Equations 171

SERGEY P. SHARY
Controllable Solution Set to Interval Static Systems 185

FA-LONG LUO, ROLF UNBEHAUEN, AND YAN-DA LI
Real-Time Computation of Singular Vectors 197

BÜNYAMIN YILDIZ AND AHMET KACAR
Two Methods for Solution of a Linear Boundary Value Problem of Order $2n$ 215

ZONG-BEN XU, JIANG-SHE ZHANG, AND YIU-WING LEUNG
A General CDC Formulation for Specializing the Cell Exclusion Algorithms of Finding All Zeros of Vector Functions 235

JUAN PEÑA MIRALLES, PEDRO JOSÉ JIMÉNEZ OLIVO, DAMIÁN GINESTAR PEIRÓ, GUMERSINDO VERDÚ MARTÍN, AND JOSÉ LUIS MUÑOZ-COBO GONZÁLEZ
A Fast Galerkin Method to Obtain the Periodic Solutions of a Nonlinear Oscillator 261

JUN ZHANG
Residual Scaling Techniques in Multigrid, I: Equivalence Proof 283

VOLUME CONTENTS